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June 28, 2005

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Art Unit 2634

Attn: Mail Stop Issue Fee

Re: Allowed U.S. Utility Patent Application
Application No. 09/590,955; Filed: June 9, 2000
For: **Phase Shifting Applications of Universal Frequency Translation**
Inventors: Johnson *et al.*
Our Ref: 1744.0710005

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Sixth Supplemental Information Disclosure Statement;
2. Form PTO-1449 with (1) accompanying document;
3. Return postcard; and
4. Credit Card Payment Form (PTO-2038) in the amount of $180.00 to cover:

 $180.00 IDS Late Filing Surcharge.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Michael Q. Lee
Attorney for Applicants
Registration No. 35,239

Enclosures

MQL/JTH/agj
411492_1.DOC

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
Johnson *et al.*
Appl. No. 09/590,955
Filed: June 9, 2000
For: **Phase Shifting Applications of Universal Frequency Translation**

Confirmation No.: 2387
Art Unit: 2634
Examiner: Odom, Curtis B.
Atty. Docket: 1744.0710005

Sixth Supplemental Information Disclosure Statement

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this Sixth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Fifth Supplemental Information Disclosure Statement filed on April 8, 2005 in connection with the above-captioned application.

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may

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not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

Applicants provide the following comments regarding the documents:

Document AQ59 was cited in a Notice of Allowance, mailed April 14, 2005, in related U.S. Patent Application No. 10/290,323, filed November 8, 2002, entitled "Method and Apparatus for DC Offset Removal in a Radio Frequency Communication Channel," directed to related subject matter.

Document AD61 was cited in an Office Action, mailed May 18, 2005, in related U.S. Patent Application No. 09/550,642, filed April 14, 2000, entitled "Method And System For Down-Converting An Electromagnetic Signal, And Transforms For Same," directed to related subject matter.

Document AE61 was cited in an Office Action, mailed May 19, 2005, in related U.S. Patent Application No. 09/476,092, filed January 3, 2000, entitled "Analog Zero If Fm Decoder And Embodiments Thereof, Such As The Family Radio Service," directed to related subject matter.

Documents AF61-AI61 were cited in an Office Action, mailed June 1, 2005, in related U.S. Patent Application No. 09/567,977, filed May 10, 2000, entitled "Optical Down-Converter Using Universal Frequency Translation Technology," directed to related subject matter.

This statement should not be construed as a representation that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of **$180.00** in payment of the fee under 37 C.F.R. § 1.17(p); in addition:

Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

A copy of document AQ59 is enclosed. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent application publications cited on the attached Form PTO-1449 are submitted.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

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FORM PTO-1449 SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1744.0710005	APPLICATION NO. 09/590,955
	INVENTORS Johnson *et al.*	
	FILING DATE June 9, 2000	ART UNIT 2387

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD61	6,057,714	05/2000	Andrys *et al.*			
	AE61	2003/0081781 A1	05/2003	Jensen *et al.*			
	AF61	5,994,689	11/1999	Charrier			
	AG61	6,512,544 B1	01/2003	Merrill *et al.*			
	AH61	6,628,328 B1	09/2003	Yokouchi *et al.*			
	AI61	6,801,253 B1	10/2004	Yonemoto *et al.*			

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	DOC. REF.	CITATION
	AN	
	AO	
	AP	
	AQ59	Hellwarth, G.A. and Jones, G.D, "Automatic Conditioning of Speech Signals," *IEEE Transactions on Audio and Electroacoustics*, Vol. AU-16, No. 2, pp. 169-179 (June 1968).
	AR	

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.